

METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR AUTOMATIC REKEYING IN AN AUTHENTICATION ENVIRONMENT

Abstract of the Disclosure

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Rekeying in an authentication system including an authenticated data processing system and an authenticating data processing system is provided by the authenticating data processing system detecting failure of an authentication of the authenticated data processing system with a current public key associated with the authenticated data

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processing system and automatically updating the current public key associated with the authenticated data processing system with an updated public key responsive to detecting failure of an authentication of the authenticated data processing system with the current public key. Automatic rekeying of a client in a server-side authentication system is provided. Automatic rekeying may occur upon detection by the client that server

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authentication has failed. The automatic rekeying may include requesting an updated key from a server. The request may include an identification of the current public key of the client and the server may access a repository of previous keys to sign the updated public key sent to the client with a private key corresponding to the current public key of the client.